

**Table S1. Primers used in this study.**

Primer	Sequence (5'-3')	Relevant characteristics
33AD-F	CATATGGCCATGGAGGCCAGTGAATTCATGCAGCCGTTTCGCTCGTCC	Amplification of the full-length cDNA sequence of <i>FgMDM33</i> for fusion with pGADT7 plasmid
33AD-R	CGATGCCCACCCGGGTGGAATTCTCATCTTCGAACCATTAGTA	
33BK-F	CATATGGCCATGGAGGCCGAATTCATGCAGCCGTTTCGCTCGTCC	Amplification of the full-length cDNA sequence of <i>FgMDM33</i> for fusion with pGBKT7 plasmid
33BK-R	CGACGGATCGCCGGAATTCTCATCTTCGAACCATTAGTA	
1AD-F	CATATGGCCATGGAGGCCAGTGAATTCATGGCTGGTGATACTTGTC	Amplification of the full-length cDNA sequence of <i>FgMMM1</i> for fusion with pGADT7 plasmid
1AD-R	TCGATGCCCACCCGGGTGGAATTCTAACTATGGAGTCGGGATCT	
1BK-F	CATATGGCCATGGAGGCCGAATTCATGGCTGGTGATACTTGTC	Amplification of the full-length cDNA sequence of <i>FgMMM1</i> for fusion with pGBKT7 plasmid
1BK-R	CGACGGATCGCCGGAATTCTAACTATGGAGTCGGGAT	
10AD-F	CATATGGCCATGGAGGCCAGTGAATTCATGCGCGAGTTTATGGACTA	Amplification of the full-length cDNA sequence of <i>FgMDM10</i> for fusion with pGADT7 plasmid
10AD-R	TCGATGCCCACCCGGGTGGAATTCTTATGATGAAAAGTGAATTT	
10BK-F	CATATGGCCATGGAGGCCGAATTCATGCGCGAGTTTATGGACTA	Amplification of the full-length cDNA sequence of <i>FgMDM10</i> for fusion with pGBKT7 plasmid
10BK-R	TCGACGGATCGCCGGAATTCTTATGATGAAAAGTGAAT	
12AD-F	CATATGGCCATGGAGGCCAGTGAATTCATGTCAATTGAATTAACTG	Amplification of the full-length cDNA sequence of <i>FgMDM12</i> for fusion with pGADT7 plasmid
12AD-R	TCGATGCCCACCCGGGTGGAATTCTTACACCAAAAAGGTCCAGA	
12BK-F	CATATGGCCATGGAGGCCGAATTCATGTCAATTGAATTAACTG	Amplification of the full-length cDNA sequence of <i>FgMDM12</i> for fusion with pGBKT7 plasmid
12BK-R	TCGACGGATCGCCGGAATTCTTACACCAAAAAGGTCCAG	
34AD-F	CATATGGCCATGGAGGCCAGTGAATTCATGGCCTTCAACTTCAACTG	Amplification of the full-length cDNA sequence of <i>FgMDM34</i> for fusion with pGADT7 plasmid
34AD-R	GATGCCCACCCGGGTGGAATTCTTATCGAGTAGCTGCCTC	
34BK-F	CATATGGCCATGGAGGCCGAATTCATGGCCTTCAACTTCAACTG	Amplification of the full-length cDNA sequence of <i>FgMDM34</i> for fusion with pGBKT7 plasmid
34BK-R	GACGGATCGCCGGAATTCTTATCGAGTAGCTGCCT	
P1AD-F	CATATGGCCATGGAGGCCAGTGAATTCATGGCTGGCGCTGCACGAG	Amplification of the full-length

P1AD-R	TCGATGCCCACCCGGGTGGAATTCTTAAGCCCTGCCCACTGACA	cDNA sequence of <i>FgPHB1</i> for fusion with pGADT7 plasmid
P1BK-F	CATATGGCCATGGAGGCCGAATTCATGGCTGGCGCTGCACGAG	Amplification of the full-length cDNA sequence of <i>FgPHB1</i> for fusion with pGBKT7 plasmid
P1BK-R	TCGACGGATCGCCGGGAATTCTTAAGCCCTGCCCACTGACA	
P1AD-F	CATATGGCCATGGAGGCCAGTGAATTCATGTCGAACAACAACACTGGCA	Amplification of the full-length cDNA sequence of <i>FgPHB2</i> for fusion with pGADT7 plasmid
P2AD-R	CGATGCCCACCCGGGTGGAATTCCTAGCTCTTATCGTTTTTGT	
P2BK-F	CATATGGCCATGGAGGCCGAATTCATGTCGAACAACAACACTGGCA	Amplification of the full-length cDNA sequence of <i>FgPHB2</i> for fusion with pGBKT7 plasmid
P2BK-R	TCGACGGATCGCCGGGAATTCCTAGCTCTTATCGTTTTTGT	
33-UF	TCGGTCAGGTAGCGAAGA	Amplification of upstream fragment of <i>FgMDM33</i> for the gene deletion
33-UR	TCCACTAGCTCCAGCCAAGCCAAGACGGCTAAAGG	
33-DF	AGTAGATGCCGACCGAACAACACTGTAGGGCTGGTAGTCG	Amplification of downstream fragment of <i>FgMDM33</i> for the gene deletion
33-DR	TGGAGGCAGTTCGTGTTA	
33-NF	ACATACCTGTCGTCGTGG	Amplification of the fragment, including full length ORF of <i>FgMDM33</i> and its upstream and downstream sequences
33-NR	CAAAGAGGCTGAGCTACA	
33YW-F	CGCAACATCGTGTCACTG	For identification of <i>FgMDM33</i> gene deletion mutants (presence or not), or <i>FgMDM33</i> complemented transformants
33YW-R	CAAGAAGTTCATGCCCAT	
33DX-F	TGCTATTACCTGGTTGAG	For identification of <i>FgMDM33</i> gene deletion mutants (size difference)
33DX-R	GGCTACCCTGGAAGATGG	
33Com-F	GGTACCCGGGATCCTCTAGAGGTATGAGCCGACGTGAGT	Amplification of fragment including full length ORF of <i>FgMDM33</i> and its native promoter and terminator DNA sequences for the complementation
33Com-R	TGCCTGCAGGTCGACTCTAGACAGTAAAGTGATGTTGCGTTGG	